

Recombinant Human PTK7, GST-tagged

Cat. No. PTK7-183H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PTK7 (726-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	726-end a.a.
Description	<p>PTK7 or pseudo protein tyrosine kinase 7 is a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. PTK7 lacks detectable catalytic tyrosine kinase activity but is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. PTK7 interacts with β-catenin and functions upstream from glycogen synthase kinase 3. PTK7 has been isolated from colon carcinoma and was designated colon carcinoma kinase-4. In conjunction with other T cell markers, PTK7 has utility as a biomarker for detecting minimal residual disease of T-ALL in the bone marrow.</p>
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~66 kDa
Purity	>95% by densitometry

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Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	PTK7 PTK7 protein tyrosine kinase 7 [Homo sapiens]
Official Symbol	PTK7
Synonyms	PTK7; PTK7 protein tyrosine kinase 7; inactive tyrosine-protein kinase 7; CCK4; CCK-4; colon carcinoma kinase 4; colon carcinoma kinase-4; protein-tyrosine kinase 7; tyrosine-protein kinase-like 7; pseudo tyrosine kinase receptor 7;
Gene ID	5754
mRNA Refseq	NM_002821
Protein Refseq	NP_002812
MIM	601890
UniProt ID	Q13308
Chromosome Location	6p21.1-p12.2

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Function

ATP binding; receptor activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity;

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